

P. TENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PC3-090	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2004/023917	International filing date (day/month/year) 22/07/2004	(Earliest) Priority Date (day/month/year) 13/08/2003
Applicant PCBU SERVICES, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box II).

3. Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

National Application No

PCT/US2004/023917

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C19/08 C07C19/10 C07C21/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/029173 A (PCBU SERVICES INC) 10 April 2003 (2003-04-10) page 36, line 23 – page 42, line 2; tables 16, step, IV ----- EP 0 434 409 A (DU PONT) 26 June 1991 (1991-06-26) Page 8, line 58 – page 9, line 55, in particular page 9, lines 31-35; examples 42-47 ----- -/-	1-35, 49-67
X		1-3,5-9, 12-21, 23-35, 49-69, 71-73, 75-83

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

17 January 2005

24/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Cooper, S

INTERNATIONAL SEARCH REPORT

Application No

PCT/US2004/023917

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 253 410 A (AUSIMONT SPA) 20 January 1988 (1988-01-20) column 2, lines 23-32; claims 1-4,6; examples 1-18 -----	1,2,7, 12-31, 68-81
X	US 6 291 729 B1 (RAO V N MALLIKARJUNA) 18 September 2001 (2001-09-18) the whole document -----	7,10-22, 27-44, 49-54, 57-61, 68, 70-74, 77-83
X	WO 98/37043 A (MANOGUE WILLIAM H ; SWEARINGEN STEVEN H (US); DU PONT (US); RAO V N MA) 27 August 1998 (1998-08-27) examples 1-6 -----	36-44, 49-54, 57-61, 68, 70-74, 77-83
X	WO 99/51553 A (MANOGUE WILLIAM H ; DU PONT (US); NAPPA MARIO JOSEPH (US); SIEVERT ALL) 14 October 1999 (1999-10-14) examples 4-8 -----	68,69, 71-74, 77-83
X	EP 0 539 989 A (HOECHST AG) 5 May 1993 (1993-05-05) the whole document -----	49-69, 71-83

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/023917

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03029173	A	10-04-2003		US 2003105368 A1 CA 2462100 A1 EP 1430010 A2 WO 03029173 A2 US 2004102661 A1 US 2004102662 A1 US 2004102660 A1 US 2004102663 A1 US 2004102664 A1		05-06-2003 10-04-2003 23-06-2004 10-04-2003 27-05-2004 27-05-2004 27-05-2004 27-05-2004 27-05-2004
EP 0434409	A	26-06-1991		US 5057634 A CA 2032273 A1 CA 2298099 A1 DE 69013313 D1 EP 0434409 A1 JP 2613683 B2 JP 4145033 A		15-10-1991 20-06-1991 20-06-1991 17-11-1994 26-06-1991 28-05-1997 19-05-1992
EP 0253410	A	20-01-1988		IT 1196518 B CA 1293268 C DE 3777897 D1 EP 0253410 A1 JP 63093737 A US 4876405 A		16-11-1988 17-12-1991 07-05-1992 20-01-1988 25-04-1988 24-10-1989
US 6291729	B1	18-09-2001	WO	9617813 A1		13-06-1996
WO 9837043	A	27-08-1998		DE 69825253 D1 EP 1428811 A1 EP 0964845 A2 JP 2001513083 T US 2002115895 A1 WO 9837043 A2 US 2002035300 A1		02-09-2004 16-06-2004 22-12-1999 28-08-2001 22-08-2002 27-08-1998 21-03-2002
WO 9951553	A	14-10-1999		AU 3378099 A DE 69910995 D1 DE 69910995 T2 EP 1068167 A1 ES 2203108 T3 JP 2002510662 T WO 9951553 A1 US 6018083 A		25-10-1999 09-10-2003 22-07-2004 17-01-2001 01-04-2004 09-04-2002 14-10-1999 25-01-2000
EP 0539989	A	05-05-1993		CA 2081813 A1 DE 59208629 D1 EP 0539989 A1 ES 2104790 T3 JP 3249202 B2 JP 5221894 A SG 44743 A1		02-05-1993 24-07-1997 05-05-1993 16-10-1997 21-01-2002 31-08-1993 19-12-1997